

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-25 (Cancelled).

26. (Currently amended) The method of producing electricity at an auxiliary power unit in a vehicle comprising:

adding a fuel and a reactant to a fuel reformer;

producing a reformat at said fuel reformer;

introducing said reformat to a fuel cell stack;

producing electrical power at said fuel cell stack;

sensing a reformer zone temperature at a reformer zone, said fuel reformer being positioned within said reformer zone;

determining whether said reformer zone temperature is at a first selected temperature range; [[and]]

adding a first process air flow to said reformer zone if said reformer zone temperature rises above said first selected temperature range;

sensing a hot zone temperature at a hot zone, said fuel cell stack being positioned within said hot zone;

determining whether said hot zone temperature is at a second selected temperature range; and

adding a second process air flow to said hot zone if said hot zone temperature rises above said second selected temperature range.

27. (Original) The method in Claim 26, further comprising reducing said first process air flow to said reformer zone if said reformer zone temperature falls below said first selected temperature range.

28. (Original) The method in Claim 26, further comprising increasing said first process air flow to said reformer zone if said reformer zone temperature increases above said first selected temperature range.

29. (Original) The method in Claim 26, wherein said adding said first process air flow comprises controlling said first process air flow via a first air control valve.

30. (Original) The method in Claim 26, wherein said first selected temperature range is about 300°C to about 500°C.

31. (Cancelled).

32. (Currently amended) The method in Claim ~~[[31]]~~ 26, further comprising reducing said second process air flow to said hot zone if said hot zone temperature falls below said second selected temperature range.

33. (Currently amended) The method in Claim ~~[[31]]~~ 26, further comprising increasing said second process air flow to said hot zone if said hot zone temperature increases above said second selected temperature range.

34. (Currently amended) The method in Claim ~~[[31]]~~ 26, wherein adding to said second process air flow comprises controlling said second process air flow via a second air control valve.

35. (Currently amended) The method in Claim ~~[[31]]~~ 26, further comprises moving a reformer air to said hot zone.

36. (Currently amended) The method in Claim ~~[[31]]~~ 26, further comprises moving a hot air to a waste energy recovery unit.

37. (Currently amended) The method in Claim ~~[[31]]~~ 26, wherein said second selected temperature range is about 600°C to about 800°C.

38. (Currently amended) The method in Claim ~~[[31]]~~ 26, wherein said second selected temperature range is about 725°C to about 775°C.

Claims 39-46 (Cancelled).

47. (New) The method in Claim 26, wherein at least one of said reformer zone and said hot zone are insulated enclosures.

48. (New) The method in Claim 26, wherein said hot zone is separated from said reformer zone by a thermal wall.

49. (New) The method in Claim 26, wherein said first selected temperature range is about 300°C to about 500°C, and wherein said second selected temperature range is about 600°C to about 800°C.